

METHOD AND APPARATUS FOR REPRESENTING AND ENCAPSULATING  
ACTIVE COMPUTING ENVIRONMENTS

ABSTRACT OF THE DISCLOSURE

5           The present invention provides a representation and encapsulation of active  
computing environments. In accordance with one or more embodiments of the present  
invention a "compute capsule" is implemented. Each compute capsule serves to  
represent and encapsulate an active computing environment. An active computing  
environment comprises one or more active processes and their associated state  
10 information. The associated state information is information in a form that can be  
understood by any computer and tells the computer exactly what the processes in the  
capsule are doing at any given time. In this way, the compute capsule is a host-  
independent encapsulation that can be suspended on one computer, moved to a new  
computer, and re-started on the new computer where the new computer is binary  
15 compatible.